OIPE JC174
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PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Daniel Scott et al.
Serial No. : 10/677,756
Filed : October 3, 2003
Title : CELL ADHESION INHIBITORS

Art Unit : 1614
Examiner : Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/638,652, filed on August 14, 2000, and U.S. application serial number 60/148,845, filed August 13, 1999. The following references were submitted to and/or cited by the Office in the prior non-provisional application and, therefore, are not provided in this application:

Desig. IDs:

AA – AO, AT – AJJ, ALL – AQQ, ASS - AUUU

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 2-2-04

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14406-006002	Application No. 10/677,756
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Daniel Scott et al.	
		Filing Date October 3, 2003	Group Art Unit 1614

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,725,583	Feb. 16, 1988	Luly et al.			
	AB	4,826,815	May 2, 1989	Luly et al.			
	AC	4,908,360	Mar. 13, 1990	Martin et al.			
	AD	5,260,277	Nov. 9, 1993	McKenzie			
	AE	5,314,902	May 24, 1994	Tjoeng et al.			
	AF	5,399,570	Mar. 21, 1995	Klinger et al.			
	AG	5,403,836	Apr. 4, 1995	Blackburn et al.			
	AH	5,434,188	Jul. 18, 1995	Boschelli et al.			
	AI	5,770,573	June 23, 1998	Arrhenius et al.			
	AJ	5,922,755	Jul. 13, 1999	Tanaka et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AK	0 021 234 B1	01-07-81	EPO				
	AL	0 357 192 B1	05-06-92	EPO				
	AM	0 460 679 B1	12-11-91	EPO				
	AN	0 519 748 B1	12-23-92	EPO				
	AO	DE 43 09 867	09-29-94	Germany			X (Abstract Only)	
	AP	RU 97119624	9/27/99	Russia				
	AQ	RU 97119626	9/20/99	Russia				
	AR	RU 2000104853	11/10/01	Russia				
	AS	RU 2000104854	10/27/01	Russia				
	AT	WO 89/09786	10-19-89	WIPO				
	AU	WO 91/09837	07-11-91	WIPO				
	AV	WO 92/08464	05-29-92	WIPO				
	AW	WO 92/00995	01-23-92	WIPO				

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	AX	WO 93/08823	05-13-93	WIPO				
	AY	WO 93/09795	05-27-93	WIPO				
	AZ	WO 93/12809	07-08-93	WIPO				
	AAA	WO 94/02445	02-03-94	WIPO				
	ABB	WO 94/15958	07-21-94	WIPO				
	ACC	WO 95/15973	06-15-95	WIPO				
	ADD	WO 96/22966	08-01-96	WIPO				
	AEE	WO 97/03094	01-30-97	WIPO				
	AFF	WO 98/04913	02-05-98	WIPO				
	AGG	WO 98/53814	12/3/98	WIPO				
	AHH	WO 98/53817	12/3/98	WIPO				
	AII	WO 98/53818	12/3/98	WIPO				
	AJJ	WO 99/06432	02/11/99	WIPO				
	AKK	WO 99/06433	2/11/99	WIPO				
	ALL	WO 99/06434	2/11/99	WIPO				
	AMM	WO 99/10312	3/4/99	WIPO				
	ANN	WO 99/26921	6/3/99	WIPO				
	AOO	WO 99/26922	6/3/99	WIPO				
	APP	WO 99/26923	6/3/99	WIPO				
	AQQ	WO 99/61421	12/2/99	WIPO				
\	ARR	WO 00/47564	8/17/00	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

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	ASS	Abraham et al., "α_4-Integrins Mediate Antigen-induced Late Bronchial Responses and Prolonged Airway Hyperresponsiveness in sheep", J Clin. Invest., Vol. 93, pp. 776-787, (1994).
	ATT	Bajusz et al., "Design and Synthesis of Peptide Inhibitors of Blood Coagulation", Folia Haematol., Leipzig, Vol. 109, pp. 16-21, (1982).

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AUU	Baldwin et al., "An Efficient Substitute for the α-aminoadipoyl Moiety of δ-(L- α–amimoadipoyl)-L-cysteinyl-D-valine in the Enzymatic Synthesis of Penicillins", Tetrahedron, Vol. 43, No. 18, pp. 4217-4220, (1987).
	AVV	Chen et al., "Facile synthesis of N-protected peptide fragments using polymer-bound 1-hydroxybenzotriazole as an active ester", Chemical Abstracts, Vol. 115, p. 1003, 115:159756r (1991).
	AWW	Chisholm et al., "Monoclonal antibodies to the integrin α-4 subunit inhibit the murine contact hypersensitivity response", European Journal of Immunology, Vol. 23, pp. 682-688, (1993).
	AXX	Elices et al., "Expression and Functional Significance of Alternatively Spliced CS1 Fibronectin in Rheumatoid Arthritis Microvasculature", The Journal of Clinical Investigation, Vol. 93, pp. 405-416, (1994).
	AYY	Ferguson et al., "Antigen-Independent Processes in Antigen-Specific Immunity", The Journal of Immunology, Vol. 150, No. 4, pp. 1172-1182, (1993).
	AZZ	Ferguson et al., "Two integrin-binding peptides abrogate T cell-mediated immune responses *in vivo*", Proceedings of the National Academy of Sciences USA, Vol. 88, pp 8072-8076, (1991).
	AAAA	Goodman et al., "Synthesis and Conformation of Sequential Polypeptides of L-Alanine and beta-Aminobutyric Acid", Macromolecules, Vol. 9, No. 1, pp. 1-6, (1976).
	ABBB	Greenstein et al., "Chemistry of the Amino Acids," John Wiley and Sons, Inc., Vol. 2, pp. 1162-1186.
	ACCC	Gruszecki et al., "Diacylamine-perfekte Acylierungsmittel für die Peptidsynthese", Liebigs Ann. Chem., pp. 331-336, (1988).
	ADDD	Hemler, "VLA PROTEINS IN THE INTEGRIN FAMILY: Structures. Functions. and Their Role on Leukocytes", Annual Review of Immunology, Vol. 8, pp. 365-400, (1990).
	AEEE	Jiang et al., "Approaches Toward the Total Synthesis of Astins A, B, And C", Tetrahedron Letters, Vol. 35, No. 14, pp. 2121-2124, (1994).
	AFFF	Kim et al., "Inhibition of ^{125}I-Labeled Ristocetin Binding to *Micrococcus luteus* Cells by the Peptides Related to Bacterial Cell Wall Mucopeptide Precursors: Quantitative Structure-Activity Relationships", Journal of Medical Chemistry, Vol. 32, No. 1, pp. 84-93, (1989).
	AGGG	Komoriya et al., "The Minimal Essential Sequence for a Major Cell Type-specific Adhesion site (CSI) within the Alternatively Spliced...", Journal of Biological Chemistry, Vol. 266, No. 23, pp. 15075-15079, (1991).
	AHHH	Lampi, et al., "Comparison of Cell-Permeable Calpain Inhibitors and E64 in Reduction of Cataract in Cultured Rat Lenses", Toxicology and Applied Pharmacology, Vol. 117, pp.53-57, (1992).
	AIII	Lin, Ko-Chung, et al., "Selective, Tight Binding Inhibitors of Integrin α4β1 That Inhibit Allergic Airway Responses", Journal of Medicinal Chemistry, Vol. 42, No. 5, pp. 920-934, (1999).
	AJJJ	Lobb et al., "The Pathophysiologic Role of α4 Integrins in Vivo", The Journal of Clinical Investigation, Vol. 94, pp. 1722-1728, (1994).
	AKKK	Melmon et al., "III Drug Interactions", The Pharmacological Basis of Therapeutics, 6th Edition, MacMillan Publishing Co., Inc. © 1980, pp. 1738-1740.
	ALLL	Molossi et al., "Blockade of Very Late Antigen-4 Integrin Binding to Fibronectin with Connecting Segment-1 Peptide Reduces Accelerated Coronary Arteriopathy...", Journal of Clinical Investigation, Vol. 95, pp. 2601-2610, (1995).

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	AMMM	Morales-Ducret et al., "$\alpha_4/\beta 1$ INTEGRIN (VLA-4) LIGANDS IN ARTHRITIS Vascular Cell Adhesion Molecule-1 Expression in Synovium and on...", The Journal of Immunology, Vol. 149, No. 4, pp. 1424-1431, (1992).
	ANNN	Narumiya et al., "Pre-B cells adhere to fibronectin via interactions of integrin $\alpha 5/\alpha v$ with RGDS as well as of integrin $\alpha 4$ with two distinct V region sequences at its different biding sites", Intl. Immun., Vol. 6, No. 1, pp. 139-147, (1994).
	AOOO	Nowlin et al., "A Novel Cyclic Pentapeptide Inhibits $\alpha 4\beta 1$ and $\alpha 5\beta 1$ Integrin-mediated Cell Adhesion", The Journal of Biological Chemistry, Vol. 25, No. 27, pp. 20352-20359, (1993).
	APPP	Sawyer, T. K., "Peptidomimetic Design and Chemical Approaches to Peptide Metabolism", Peptide-Based Drug Design: controlling transport and metabolism © 1995, ACS Professional Reference Book, pp. 387-422.
	AQQQ	Subasinghe et al., "Synthesis of Acyclic and Dehydroaspartic Acid Analogues of Ac-Asp-Glu-OH and Their Inhibition of Rat Brain N-Acetylated α-Linked Acidic Dipeptidase (NAALA Dipeptidase)", Journal of Medicinal Chemistry, Vol. 33, No. 10, pp. 2734-2744, (1990).
	ARRR	Thierry et al., "Synthesis and Activity of NAcSerAspLysPro Analogues on Cellular Interactions between T-Cell and Erythrocytes in Rosette Formation," Journal of Medical Chemistry, Vol. 33, pp. 2122-2127, (1990).
	ASSS	Wayner et al., "Activation-dependent Recognition by Hematopoietic Cells of the LDV Sequence in the V Region of Fibronectin", The Journal of Cell Biology, Vol. 16, No. 2, pp. 489-497, (1992).
	ATTT	Yednock et al., "Prevention of experimental autoimmune encephalomyelitis by antibodies against $\alpha 4\beta 1$ integrin", Nature, Vol. 356, pp. 63-66, (1992).
	AUUU	Zimmerman, Craig N., " Peptide and peptodomimetic inhibitors of VLA-4", Expert Opinion of Therapeutic Patents, Ashley Publication, GB, Vol. 9, No. 2, pp. 129-133, (1999).

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